

Appl. No. 09/631,318  
Amd. Dated April 23, 2004  
Reply to Office Action of January 23, 2004

**Amendments to the Drawings:**

The attached sheets of drawings include substitute formal drawings. These sheets, which include(s) Fig(s). 1-14, replaces the original sheet(s) including Fig(s).1-14.

Attachment: Replacement Sheet(s)

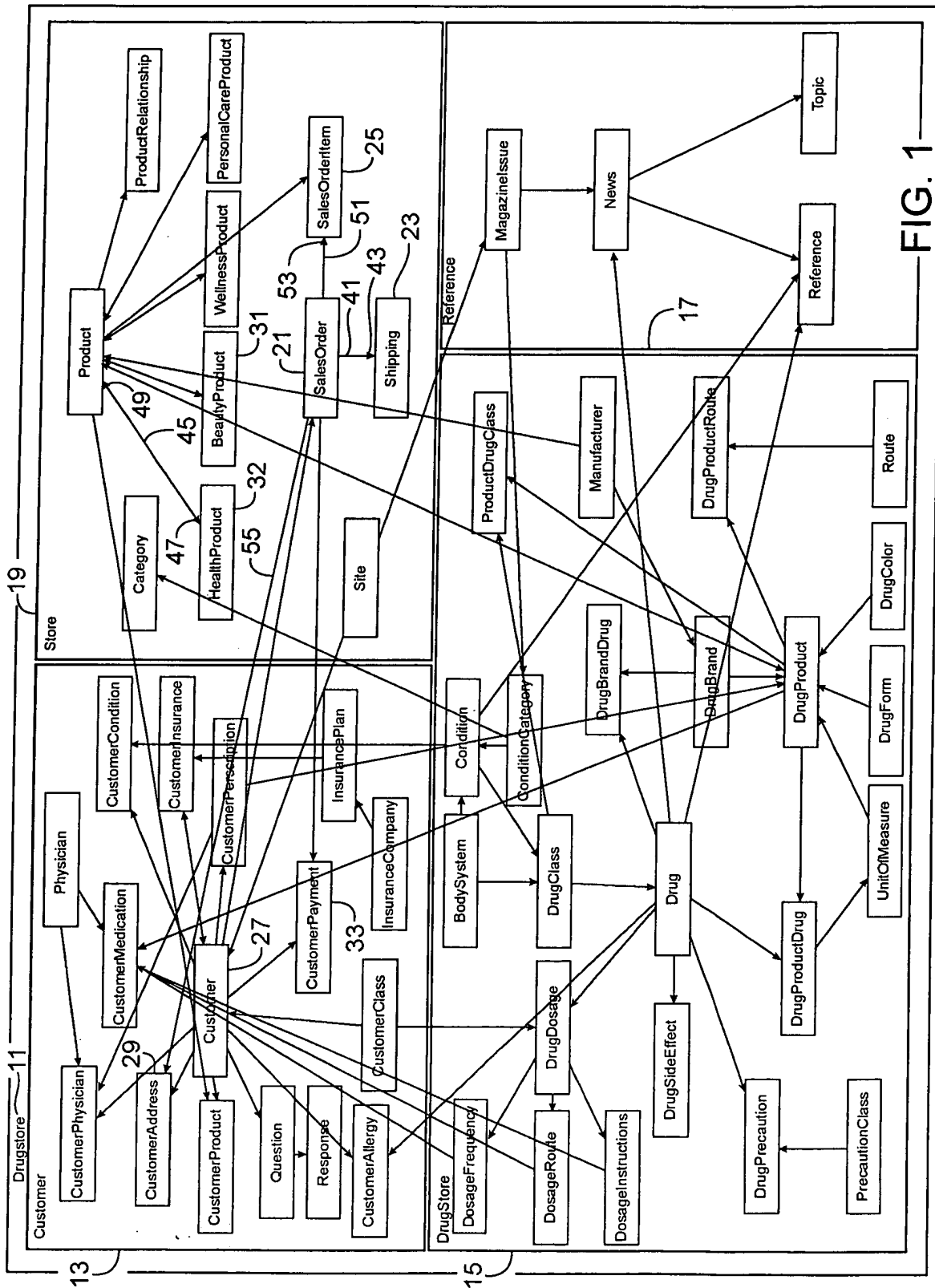


FIG. 1



**FIG. 2**



NewArchitect Workbench - [NewDrugStore]

File Edit View Insert Project Multi User Construct Import Window Help

Entity Services Attributes Agents Process Agents Documents Messages Data Gen Data Entry Experience Gen Object Gen Test Cockpit

☐ To be Deleted ☐ Class Attribute

Attribute List

☒ User ☐ System ☐ Rollups ☐ Sort

	Attribute Name
1	Customer
2	OrderItems
3	OrderDate
4	SubTotal
5	ShippingCharge
6	Taxes
7	OrderTotal
8	PrescriptionOrder
9	ShippingAddress
10	ShippingMode
11	NameOnShipLabel
12	OrderStatus
13	OrderNumber
14	OrderStatusString
15	Payment
16	BillingAddress
17	Shipping
18	StateVar

BeautyProduct  
Category  
HealthProduct  
PersonalCareP  
Product  
ProductRelatio  
SalesOrder  
SalesOrderite  
Shipping  
Site  
WellnessProdu  
Customer  
notused  
ExtCategory  
New  
NewApplication

Name:  Attribute Methods:  Business Rules:

Caption:  DB Name:  StateVar:

Description:

To Do:

Help:

Data Type:  333

☐ Basic ☐ Enum ☒ Class

CustomerPayment  Relationship  Current

☒ Parent Entity ☒ Bi Directional

Event Channel

Properties

Required	Read Only	Owns	Public	Nested
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Keys

Density	Unique Key	Indexed	Cluster
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Options

User Selecting	User Identifying	Primary Key
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Presentation

Group	Entry Control Type	View Control Type
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>

User Invisible ☐

Buttons: New, Delete, Up, Down

Ready

NUM 2:02 PM

VisualSourceS TrialDocument DBTool-Micro... New Architect

Exploring App... OBTool Micro... DBTool Micro...

FIG. 3



NewArchitect Workbench - (NewDrugStore)

File Edit View Insert Project Multi User Construct Import Window Help

P S E A A e U c D o M Re ? [Icons] T

Entity Services Attributes Agents Process Agents Documents Messages Data Gen Data Entry Experience Gen Object Gen Test Cockpit

☐ To be Deleted ☐ Class Attribute

Attribute List

☒ User ☐ System ☐ Rollups

Sales Order

T	Attribute Name
1	R Customer
2	M OrderItems
3	B OrderDate
4	B SubTotal
5	B ShippingCharge
6	B Taxes
7	B OrderTotal
8	B PrescriptionOrder
9	S ShippingAddress
10	E ShippingMode
11	B NameOnShipLabel
12	B OrderStatus
13	B OrderNumber
14	B OrderStatusString
15	S Payment
16	S BillingAddress
17	S Shipping
18	E StateVar

45

43

41

Name Taxes Attribute Methods Business Rules

Caption Taxes DB Name Taxes

Description

To Do

Help

Data Type ☐ Basic ☐ Enum ☐ Class

Money

Size 15 Precision 2

Formal

Rollup Summary ☐ Sum ☐ Mean ☐ Max ☐ Min

Properties

Required ☐ Read Only ☐ Owns ☐ Public ☐ Non-Persistent ☐ Multi-Value ☐ Nested ☐

Keys

Density ☐ Unique Key ☐ Indexed ☐ Cluster ☐

Options

User Selecting ☐ User Identifying ☐ Primary Key ☐ Not in Archive ☐ Not in Audit Trail ☐ Not in Template ☐

Presentation

Group ☐ Entry Control Type ☐ Edit ☐ View Control Type ☐ Edit ☐ SubControls ☐ Buttons ☐ Includes ☐ Buttons Icons

User Invisible ☐

New Delete Up Down

.... SalesOrder

Ready Start [Icons] Exploring App... [Icons] OBTool Micro... [Icons] VisualSourceS [Icons] TrialDocument [Icons] DBTool-Micro... [Icons] New Architect

NUM 11:43 PM

FIG. 4

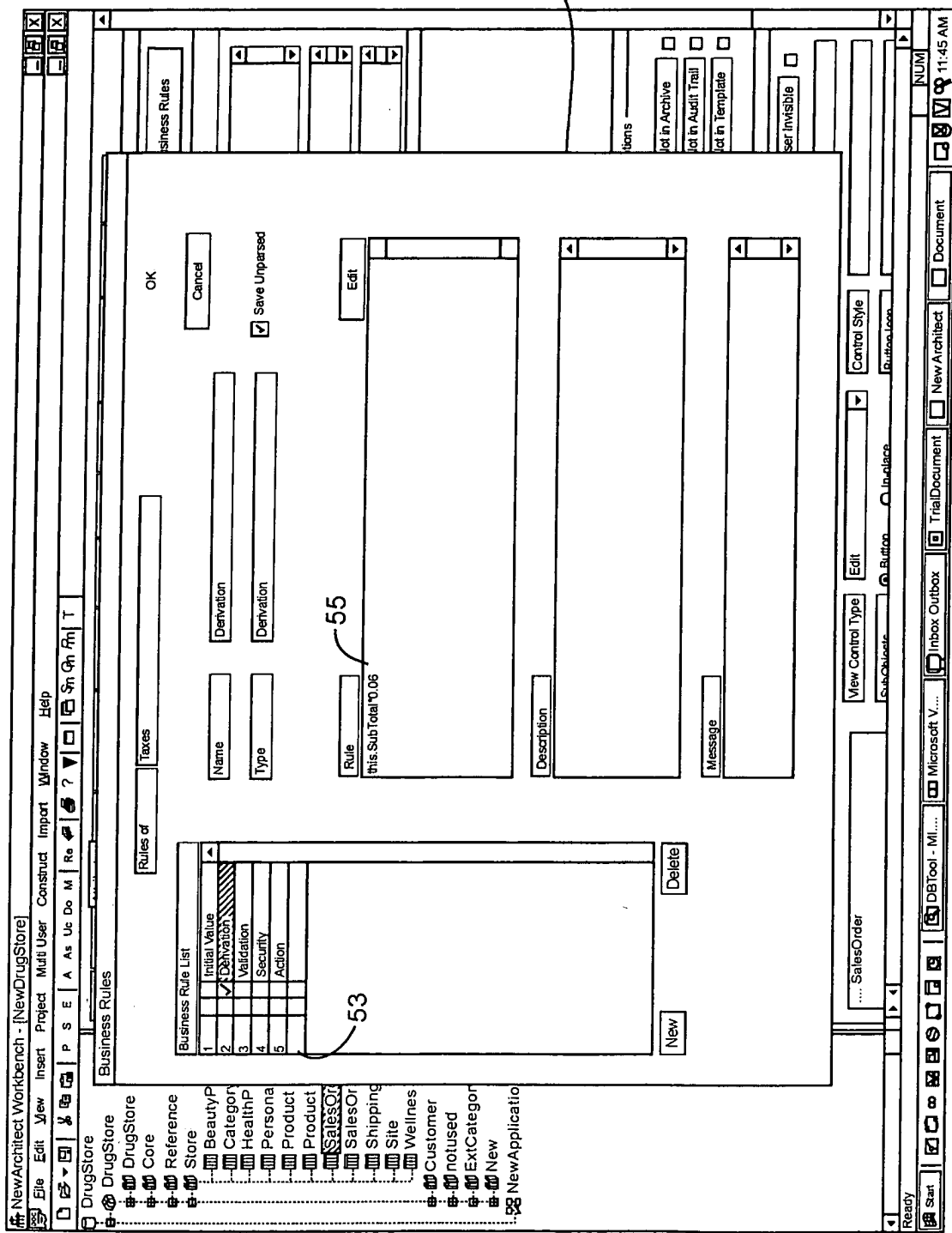


FIG. 5

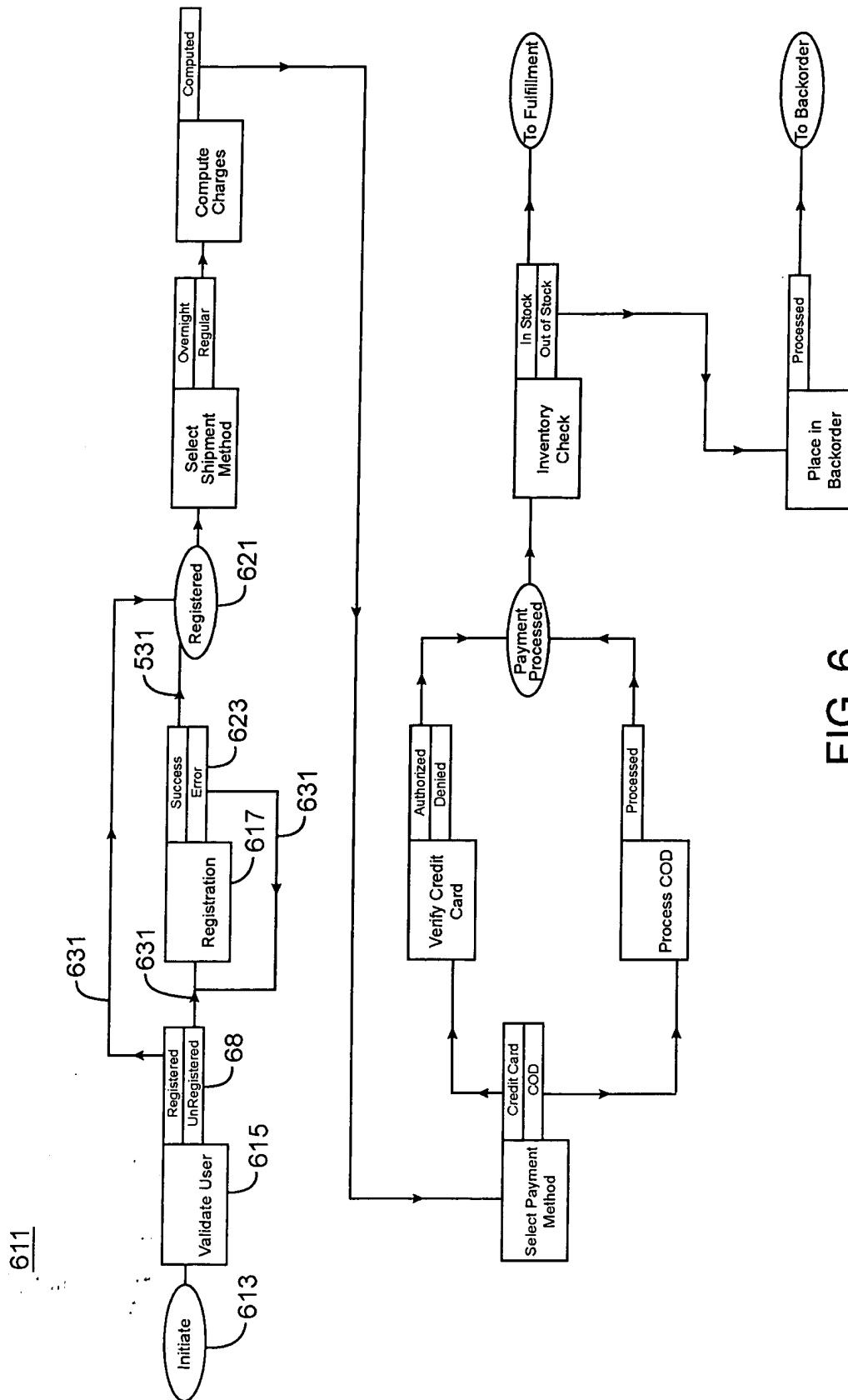


FIG. 6



NewArchitect Workbench - [NewDrugStore]

File Edit View Insert Project Construct Import Window Help

P S E A As Uc Do M Re

Entity Services Attributes Agents Messages Data Gen Data Entry Experience Gen Object Gen Test Cockpit

Method List ☐ Show System Generated ☐ To Be Deleted

Sales Order

1	ProcValidateUser
2	ProcRegistration
3	DeferralItem
4	ProcessShippingInfo
5	ProcessCreditCardInfo
6	GetShippingCharge
7	GetSubTotal
8	ProcessExecuteOrder
9	ProcUpdateItems
10	ProcCheckout
11	ProcCreditCard

713

715

711

Name:  AddItemToOrder

Caption:

Process State:

☒ Public ☐ Abstract ☐ Required In Inherited Class

Description:

Help:

To Do:

Code:  ☒ JavaScript ☐ Java ☐ C++

```
var Total = 0;
var Found = false;
for (i=0; i < this.OrderItems.length; i++)
{
    var OItem = this.OrderItems[i];
    if (OItem.Product_ID == Product_ID)
    {
        OItem.Quantity += Quantity;
        OItem.LoadProduct();
        OItem.DeriveAll();
        OItem.EOPPersistStatus = 3;
        OItem.Update();
        Found = true;
        break;
    }
}
```

Definition

void AddItemToOrder(int Product\_ID, int Quantity)

Class	Name	Product_ID	Quantity	In	Out	Ready	Area
1	int			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	int			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

New Delete Up Down

Parent:  Child:

Transfer Methods

FIG. 7





+

### Flow Chart of Generation

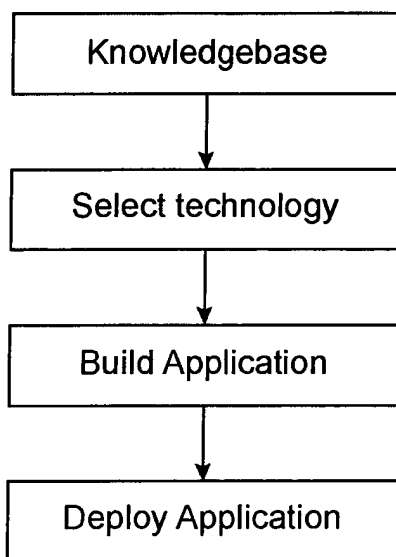


FIG. 8

+





1017 1019 1011 1015

**Properties**

Form Object Space Data Security Parameters Form Themes Meta tags Technology

☐ Final ☒ View only ☐ Secure Page ☐ Check for required fields

☐ Report ☐ Center ☒ Has data access

Name: Insertcuts

Directory expression:

Name: Customer

Title:

Theme: Current

Style: BaseControls

Control style: BaseControls

HTML style:

HTML template:

Description:

To do:

Script OnLoad:

Script Client:

**View**

Data Access: Enter Only

Data binding: Auto (Same as Parent)

View name:

Use transactions:

OK

**Properties**

FIG. 10



1011

Properties

Form | Object Space | Data Security | Parameters | Form Themes | Meta tags | Technology

☐ Retire ☒ Final ☐ View only ☐ Secure Page ☐ Check for required fields

☐ Report ☐ Center ☒ Has data access

Name: Insertouts

Directory expression: Customer

Name: Customer

Title: Current

Theme: BaseControls

Style: BaseControls

Control style: HTML style:

HTML template: Description:

To do:

Script OnLoad

Script Client

1015

1017

View

Data Access: Enter Only

Data binding: Auto (Same as Parent)

View name: Auto (Same as Parent)

Dynamic

Static

Use transactions:

OK

Properties

FIG. 10a

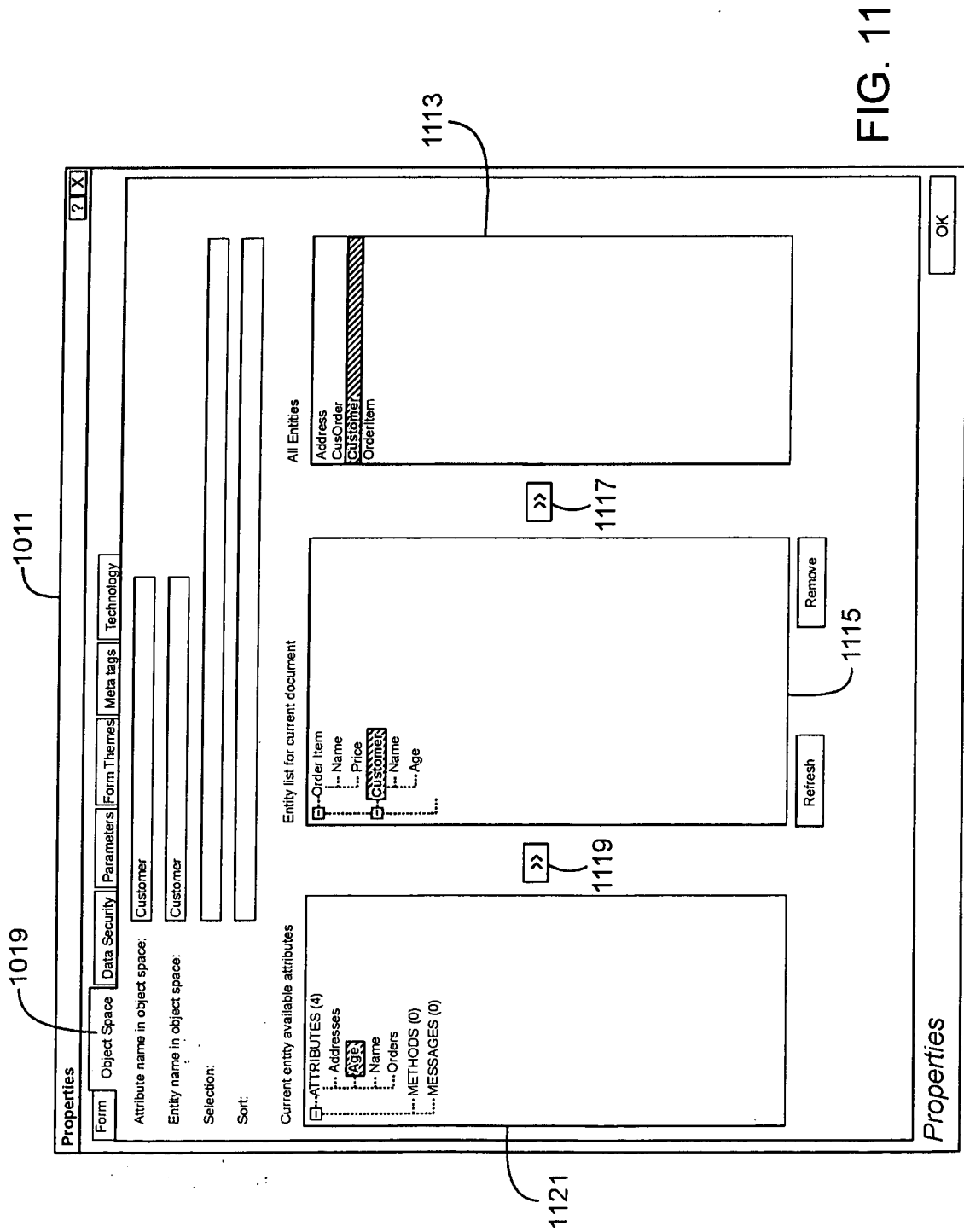
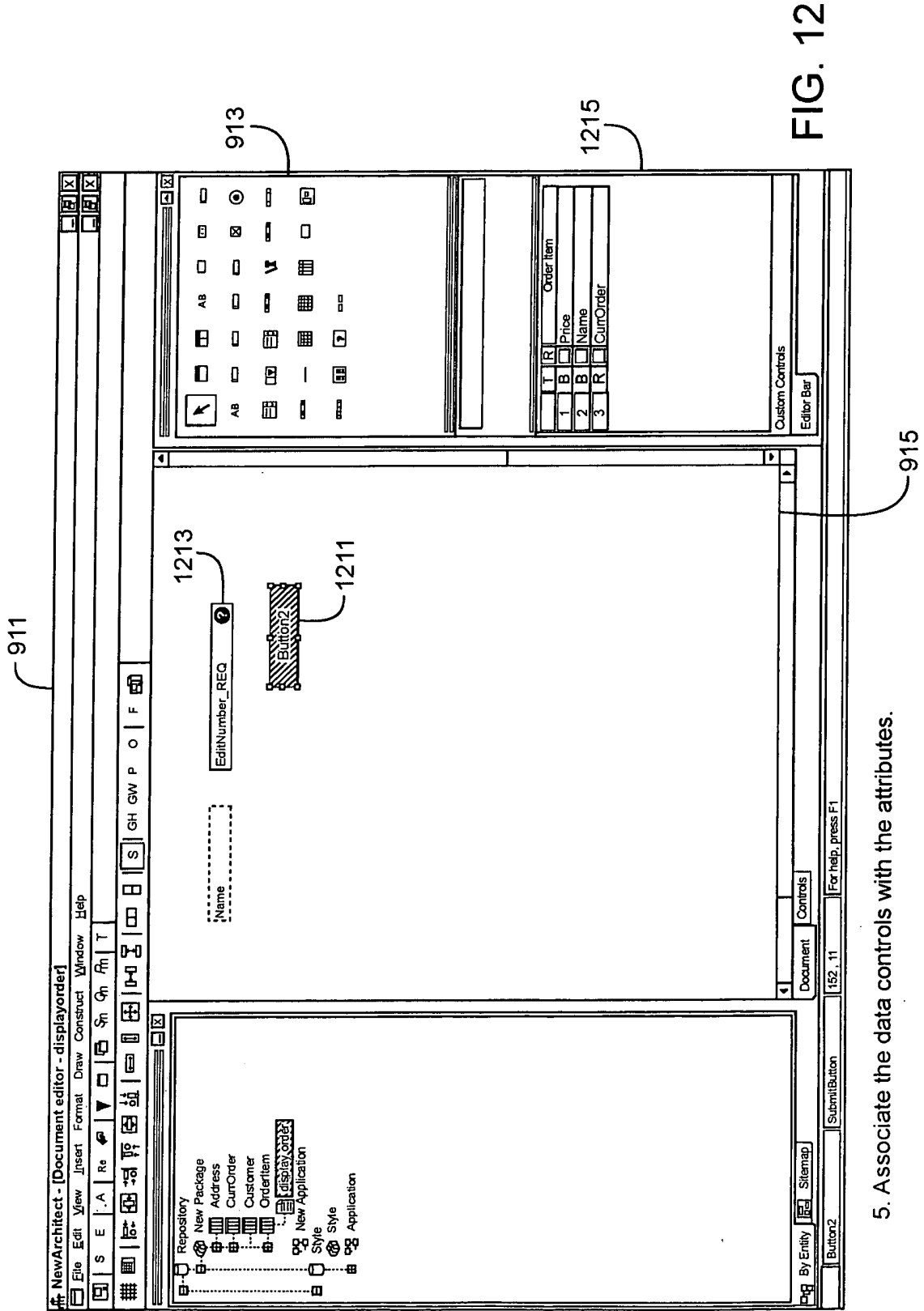


FIG. 11



5. Associate the data controls with the attributes.

1311

Control Properties

Control

Display

View

Expressions

Events

Buddy

Control HTML

Style:

Mouse effects

☐ Mouse effects

3D font

☐ 3D font

Set 3D

Highlight color:

Shadow:

Shape

Has Shape

☐ Has Shape

Shape

Image generation

Generate Image

☐ Generate Image

Format:

Generate Image

Image Processing

Fill and border

Fill:

Type: Solid

Color: Background

Border:

Type: None

Shadow:

Type: None

Back image:

☒ Center
 ☐ Tile
 ☐ Stretch

Text display

Custom

Theme

☒ Custom
 ☐ Theme

Font face:

Size:

10

Offset:

0

Weight:

NORMAL

Alignment:

Left

Color:

Custom Color

Relative

☐ Relative

Size:

-842

Italic

☐ Italic

Underline

☐ Underline

Strikethrough

☐ Strikethrough

Small caps

☐ Small caps

Blink

☐ Blink

Superscript

☐ Superscript

Subscript

☐ Subscript

Oblique

☐ Oblique

Link display

Link color:

Custom Color

Visited link color:

Custom Color

Active link color:

Custom Color

OK

Cancel

FIG. 13

1313



1411

Generate HTML

Output directory: E:\applications\search20\

Generate only this document: displayorderi

Type of data binding

☐ Optimized: Static and dynamic as marked

☒ Dynamic only: Ignore markings

☐ Static only: Ignore markings

Object details

☒ Stored procedures

☐ SQL statements

☒ Compile stored procedures

Type of data binding

Gen	Browser	Directory
1	<input checked="" type="checkbox"/> Microsoft IE5	
2	<input type="checkbox"/> Microsoft IE4	
3	<input type="checkbox"/> Netscape 4	
4	<input type="checkbox"/> Netscape 3	NS3\

Object details

☐ Generate style sheets

1415

1413

1417

Generate

Cancel

FIG. 14